

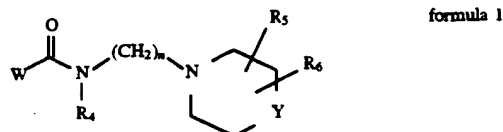
[57]

ABSTRACT

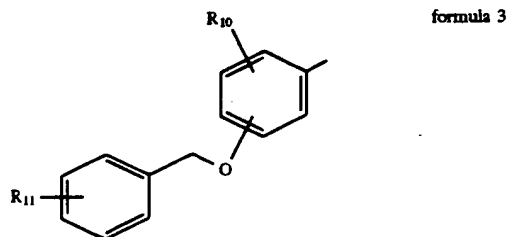
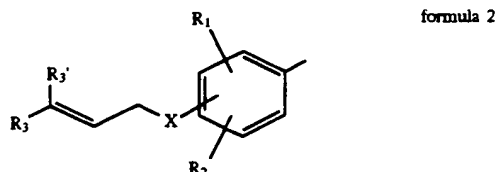
The invention provides a compound which has anti-ulcer

effect and antibacterial activity against *Helicobacter pylori*.

This compound is an alkylenediamine derivative or salt which has a general formula of (1):



wherein each of R_4 , R_5 , and R_6 is hydrogen or lower alkyl; n represents an integer of 1 to 6; Y is $-\text{CH}_2-$, $-\text{O}-$, or $-\text{N}(\text{R}_7)-$, wherein R_7 is lower alkyl, aryl, carbamoyl lower alkyl, aralkyl, or a heterocyclic group having 5 to 9 carbon numbers; and W is a group expressed by formulas 2 or 3:



wherein (1) in formula 2: each of $R_{\text{sub}.1}$ and $R_{\text{sub}.2}$ is hydrogen, lower alkoxy, alkenyloxy, or a halogen atom; each of $R_{\text{sub}.3}$ and $R_{\text{sub}.3}$ is methyl, [prenyl] prenyl-CH₂, or [geranyl] geranyl-CH₂; when one of $R_{\text{sub}.3}$ and $R_{\text{sub}.3}$ is [prenyl] prenyl-CH₂ or [geranyl] geranyl-CH₂, the other must be a methyl group; and X is oxygen or sulfur; and (2) in formula 3, $R_{\text{sub}.10}$ is a lower alkyl, and $R_{\text{sub}.11}$ is a halogen atom.

This application is a reissue

[illegible]